Work Orde January 24, 201	er ID 65704 1 8:47:29 AM									Page 1	
Item ID: Revision ID: Item Name: Start Date: Required Date:	D3407-041  Tow Ring  1/24/11  Start Qty: 12.  2/11/11  Req'd Qty: 12.		Accept	Cust Item I			s	Setup Star	1 18851181 81		
Approvals:	Process Plan:QC:	Date:	Tooling: SPC (Y/N):		ate:	<u>-</u>	F	Run Star Stop		8/18	, <del>a</del> -
Sequence ID/ Work Center II	Operation D Description		Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	-
Draw Nbr	Revision Nbr										
D3407	Rev E										
Large Fab	Large Fab  Memo  Weld D	3407-1/-5 using welding rod TI	0.00 0.00 G174 as per Diva D340	7 & OSL004			Q.	11-	3-4	(XC)	
Large Pau	A/R	3407-1/-5 using welding rod TI TIG174 ROD Batch: <u>M</u>	101972	7 & QSI 004							
	QC9- Inspect visual	per QSI004- Fusion Welds	0.00		0,		.05				
QC Quality Control	Memo		0.00		lpli	'/' 03	. (05				
120	QC5- Inspect part c	ompleteness to step on W/O	0.00			`-				e	
QC Quality Control	Memo		0.00 Sulv	3/4			(y)3	)			

			14/6	DI ODDED OLIAN	ICEC			<del></del>		1 1
W/O:			WORK ORDER CHANGES							
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							•			
<del></del>								,		
									-	
Part No	Part No: PAR #:		Fault Cate	gory:	NCR	: Yes I	No DQ	A:	Date:	
		esolution:								
NCR:		,	WORK ORD	ER NON-CONFOR	MANCE	(NCR	)			
DATE	OTED	Description of NC	Corrective Action Section B				Verification		Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	on	Sign & Section C		ion C	Chief Eng	QC Inspector
			,							
	-	<u> </u>				···-				
			·							1
		,								
					1					
										•



January 24, 2011 8:47:29 AM

Item ID:

D3407-041

**Revision ID:** Item Name:

Tow Ring

**Start Date:** 

Required Date: 2/11/11

1/24/11

QC:

**Start Qty:** 12.00 Req'd Qty: 12.00

Accept

Setup Start

Stop

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date: Date: Tooling:

SPC (Y/N):

Start Run

Stop



Sequence ID/ **Work Center ID** 

Powdercoat

Powder Coating

Operation

Description

Set Up/ Run Hours /W

Reject

Reject Number

Stamp

Memo

0.00

FINISH TIME:

140

Quality Control

QC3- Inspect Part Finish

0.00

0.00

Packaging

Packaging

Identify as per dwg & Stock Location:

0.00

Memo

Memo

0.00

## **Dart Aerospace Ltd**

<b>-</b> 4.1.10.	Topaco								
W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					<u> </u>				
	:								
Part No	art No:PAR #: Fault Category:								
	R	esolution:	Dispositi	on:	_ QA: N/C	Closed:		Date: _	
NCR:			WORK ORI	DER NON-CONFORM	ANCE (NO	CR)			
DATE	CTED	Description of NC			ion B	Verif	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sigi Da		tion C	Chief Eng	QC Inspector
	:								
								•	
						1		1	

## Work Order ID 65704

Page 3

January 24, 2011 8:47:30 AM

Item ID:

D3407-041

Accept

Setup Start

Stop



**Revision ID:** Item Name:

**Start Date:** 

Required Date: 2/11/11

Tow Ring

1/24/11

Start Qty: 12.00

Req'd Qty: 12.00

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

QC:

Date:

Date:\_\_\_\_\_

Tooling:

SPC (Y/N):

Date:

Date:

Start Run



Stop

Sequence ID/ Operation Set Up/ Tool ID Work Center ID Description **Run Hours** 

QC21- Final Inspection - Work Order Release

0.00

Tool # Plan Code

Reject Accept Qty Qty

Reject Number

Insp. Stamp

**Quality Control** 

Memo

0.00

INF 11-03-08

## **Dart Aerospace Ltd**

W/O:			WO	RK ORDER CHANGE	S							
DATE	STEP	PRO	PROCEDURE CHANGE					Approval Chief Eng / Prod Mgr	Approval QC Inspector			
				·				·				
Part No	):	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date: _	l			
	Re	esolution:	Disposition	):	QA: N/C C	losed:		Date: _				
NCR:			WORK ORDER NON-CONFORMANCE (NCR)									
DATE	STEP	Description of NC		Corrective Action Section	n B Sign		cation	Approval	Approval			
	J.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Date		ion C	Chief Eng	QC Inspector			

## **Picklist Print**

January 24, 2011 8:47:28 AM

Work Order ID: 65704

Parent Item:

D3407-041

Parent Item Name: Tow Ring



**Start Date: 1/24/11** 

Required Date: 2/11/11

Page 1

**Start Qty: 12.00** 

Required Qty: 12.00

**Comments:** 

IPP Rev:A□05.10.14□New issue□KJ/EC

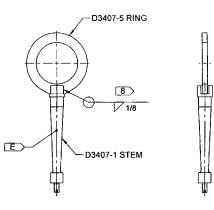
IPP Rev:B 08-09-09 revE as per dwg DD verified by:EC

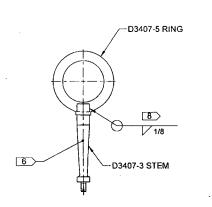
		os icias as per a	- 6										
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3407-1		Manufactured	No			100	Each	16.0000		12 EL	11-3.	-3	
				Location		Loc	<u>Oty</u>	Loc Code					
				WA	63580		16 16		_	/3	_		
D3407-5		Manufactured	No		03380	100	Each	6.0000	1	12			
IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										57		3-3	
Ū				Location		Loc	<u>Qty</u>	Loc Code					
				WA			6				_		
					64453		6		_		_		
				6	5708 6556		۶			9			
				6	6556		y.			4			

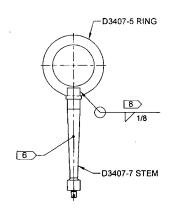
Dart Aer	ospace	e Ltd								,
W/O:			W	ORK ORDER CHANGE	S					
DATE	STEP	PRO	CEDURE CH	DURE CHANGE			ate	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	<b>:</b>	PAR #:	Fault Cat	degory:	NCR: Ye	es No	DQ	<b>A</b> :	Date: _	
	R	esolution:	Dispositi	QA: N/C Closed: Date: _						
NCR:		V	VORK ORI	DER NON-CONFORMAL	NCE (N	CR)	·			
		Description of NC		Corrective Action Section	n B		Verific	ation	Approval	Approval
DATE STEP		Section A	Initial Action Description Chief Eng Chief Eng		Sign & Date		Section C		Chief Eng	QC Inspector

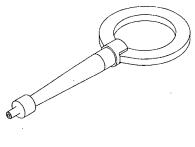
NCh.												
DATE STEP		Description of NC		Corrective Action Section B	Verification	Approval	Approval					
		Section A	Initial Action Description Sinchief Eng Chief Eng		Sign & Date	Section C	Chief Eng	Approval QC Inspector				
							·					
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				,								

QTY -041	QTY -043	QTY -045	PART NUMBER	DESCRIPTION
X			D3407-041	TOW RING
	Х		D3407-043	TOW RING
		Χ	D3407-045	TOW RING
1	<del></del> -		D3407-1	STEM
	1		D3407-3	STEM
1	1	1	D3407-5	RING
		1	D3407-7	STEM











**D3407-041 TOW RING** 

**D3407-043 TOW RING** 

<u>D3407-045 TOW RING</u> **♠** 

DESIG	N W/ DARTAEROCRACI	A 211 3	INIC
REV.	DESCRIPTION	ВУ	DATE
Α	NEWISSUE	CP	05.03.16
В	UPDATE DIAMETER, THREAD CLASS ADDED	СР	05.06.17
Ç	-1/-3 LONGER FOR FIT W/WASHER	CP	05.09.09
D	D3407-1/-3 SLOT WAS ROUND NOW FLAT FOR ASSEMBLY WITH D3407-5 (ZN C2-2, C2-3); D3407-5 WAS ROUND NOW FLAT ON ONE END FOR ASSEMBLY WITH D3407-1/-3 (ZN B6-4); REASON: PRODUCTION FACILITY	PH	08.04.07
E	ADD D3407-045 (ZN B2-1, D8-1); ADD D3407-7 (ZN B6-5); REVISED NOTE 6 TO ADD IDENTIFICATION (ZN A5-1); REASON: PRODUCTION FACILITY	РН	08.07.23

DART AEROSPACE USA, INC. DRAWN PORT HADLOCK, WA DRAWING NO. CHECKED REV. E D3407 MFG. APPR. SHEET 1 OF 5 APPROVED SCALE **TOW RING** DE APPR. NTS COPYRIGHT @ 2005 BY DART AEROSPACE USA, INC.

THE DOCUMENT IS PRIVET IN COMPERTUR. AND IS SUPPLIED OF ESPRESS CONDITION THAT IT IS,

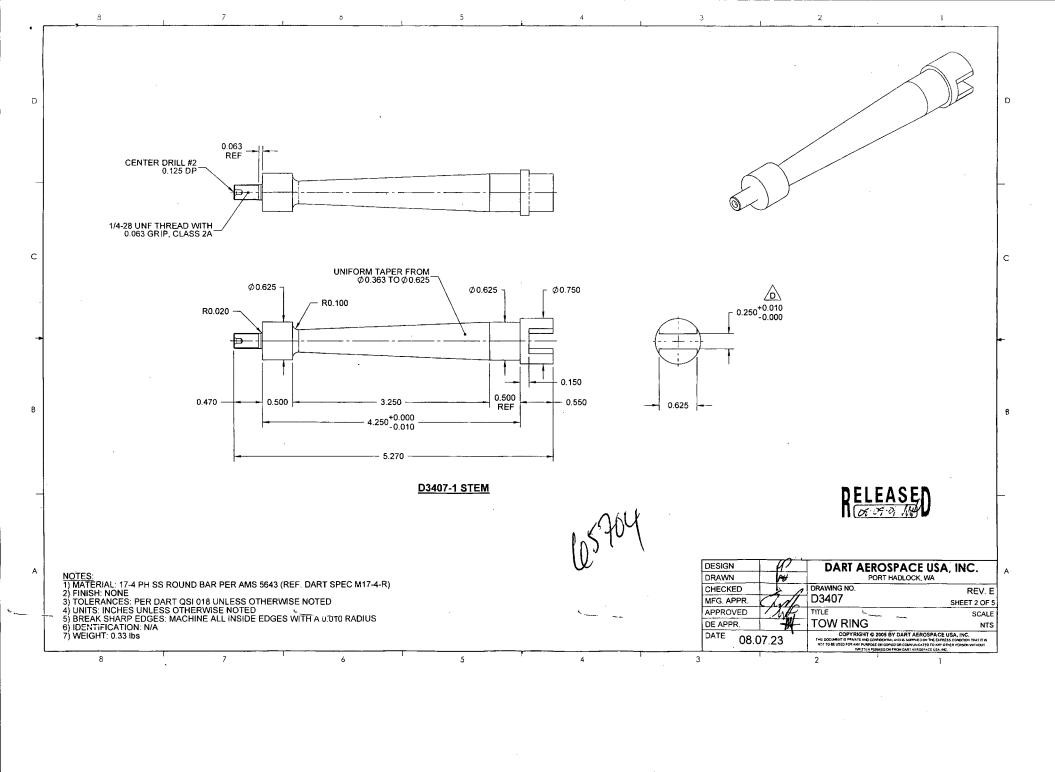
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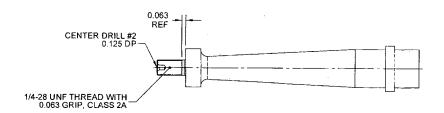
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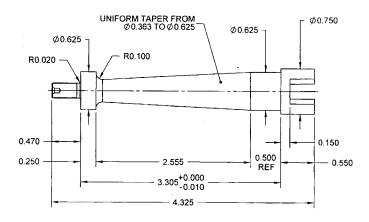
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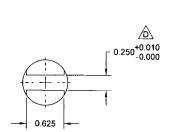
NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3 (EXCEPT THREADS)
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: IDENTIFY WINT DART P/N "D3407-XXX" USING BLACK FINE POINT PERMANENT INA WARKER
7) WEIGHT: D3407-041 - 0.60 lbs, D3407-043 - 0.53 lbs, D3407-045 - 0.61 lbs
8) WELD PER DART QSI 004 ON ALL EDGES BETWEEN STEM AND RING







**D3407-3 STEM** 



DESIGN	177	DART AFROCRA	CT UCA INC	
DRAWN	Pet	DART AEROSPA		
CHECKED	130	DRAWING NO.	REV. E	
MFG. APPR.	Chol	D3407	SHEET 3 OF 5	
APPROVED	11/10	TITLE	SCALE	
DE APPR.		TOW RING	NTS	
DATE 08.	07.23	COPYRIGHT © 2005 BY DART AEROSPA CE USA, INC.  THIS DOCUMENT IS PROVIDE AND CONFIDENTIAL AND IS SUPPLIED ON THE EAPERS CONDITION THAT IT IS  NOT TO BE USED TOR ANY PROCES ON COMPEDION COMMUNICATE TO ANY OTHER PRESON WITHOUT.		

NOTES:
1) MATERIAL: 17-4 PH SS ROUND BAR PER AMS 5643 (REF. DART SPEC M17-4-R)
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: MACHINE ALL INSIDE EDGES WITH A 0.010 RADIUS
6) IDENTIFICATION: N/A
7) WEIGHT: 0.27 lbs

8

5

3

